

Quality Criteria

Plants - Suitability

Resource Concern	Definition	Quality Criteria	Assessment Tool
Growth and development	Plants are not well adapted to the site.	Plant selection will be adapted to the soil and climatic conditions of the existing or modified area as indicated in Section II, FOTG. When established plants are not well adapted and the decision maker does not choose to change the plant or land use, or modify the site, criteria will be met as long as other resources are not adversely affected.	Section II, FOTG
Use	Plants do not meet the needs and objectives of decision maker.	Plant selection addresses site resource needs and intended use	

Plants - Management

Resource Concern	Definition	Quality Criteria	Assessment Tool
Establishment, growth, and harvest	Plants are not established properly. Management leads to poor plant development and inadequate yields.	Seeding dates, seedbed preparation, fertility requirements, and weed control are based on FOTG. Adequate plant numbers are maintained throughout growth cycle. Harvesting is timely.	
Nutrients	The correct amount and type of plant nutrients are not available to meet plant needs.	Nutrients are available to meet the needs of plants without having adverse effects on other resources. Needed nutrients will be applied according to soil test results or tissue test recommendations	Soil tests UMC FertRec 2.3
Pests (brush, weeds, insects, disease, fungi)	Pests are not managed to meet the needs of the plant or decision maker.	Control measures are implemented when pest numbers reach economic treatment thresholds. Pesticides are applied according to label instructions.	WIN-PST
Threatened and endangered species	Population numbers are reaching critical levels for continuation of identified species.	Threatened and endangered species, listed in are managed to avoid actions that would reduce their current population numbers, health, or habitat quality.	MO-CPA-52 T&E Impact Matrix

Plants - Condition

Resource Concern	Definition	Quality Criteria	Assessment Tool
Productivity	Plants do not provide the desired quality, quantity, or distribution of material.	<p>Productivity criteria will be based on land use.</p> <p>Cropland, pastureland, hayland: Crop yield or production is 75 percent or more of the established productivity potentials indicated in NRCS FOTG.</p> <p>Rangeland: Production of desirable or key species is increasing and condition is in an upward trend for poor or fair range condition sites. Trend should be upward or static for rangeland in good or excellent condition.</p> <p>Forest land: Stand is in a fully stocked condition. Desirable species represent at least 25 percent of the stand in volume or density.</p> <p>Wildlife land: Plant community is managed to meet the needs of the target wildlife species as indicated on the Wildlife Habitat Appraisal Guide Community Models (WHAG-CM).</p> <p>Recreation land, other land: Adapted or native plants are in sufficient quantity and quality to improve or protect the defined resource.</p>	<p>WHAG Community Models</p> <p>Plot measurements</p> <p>PLANTS</p>
Health and vigor	Plants do not manufacture sufficient plant food to complete growth or to reproduce.	Plants do not show evidence of stress and growth is not impaired due to weeds, diseases or insects.	Crop scouting
Plant damage (wind)	Physical plant damage due to wind erosion process.	Wind erosion losses do not exceed crop tolerance levels.	Wind Erosion Equation (WEQ)